Answers to the Frontier Math Problems

1. An average man could split 200 rails in one day. How many rails could he split in one week?

There are 7 days in one week, therefore

200 X 7 = 1400

He could split 1400 rails in one week.

2. It takes 20 minutes to properly card one piece of wool for spinning. How long would it take to card 4 pieces of wool?

20 X 4 = 80

It would take 80 minutes or one hour and 20 minutes to properly card 4 pieces of wool

3. Some of the trees the pioneers cut down were 20 feet long. If you placed 10 of those 20 foot trees end to end, how long would your line of trees be?

20 X 10 = 200 feet

Your line of trees would be 200 feet long.

4. If you own 36 hens and 24 roosters but one half of your roosters are sold to a neighboring farmer, how many total chickens would you have left?

24 X 1/2 = 12
12 + 36 = 48

After selling one half of your roosters, you would have 48 total chickens (hens and roosters).

5. If it takes 59 pegs to build a wooden gate, and you already have 27 pegs made, how many more pegs must be whittled to complete the gate?

59 - 27 = 32

You need to whittle 32 more pegs to finish your wooden gate.